Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. **1st & Part bill**
Division: Yelahanka Projects.

Date.....20.....
Sub-Division: Yelahanka Projects.

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket No.....

Name of Work: Providing RO Plant in Jakkur in ward no-05

Job Code No: 005-21-000017

Est. cost: 15.00 lakhs

Name of Contractor and Full Address : M.C. Adarsh, Bangalore.

Work order No: EE(Project)/Ynk Zone/WO/134/2020-21, **Dated : 13-11-2020**

Certified that the measurements were taken by me on 29/06/22 and recorded in pages 135271 to 135282 of measurement Book No 23/17-18 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 29.06.2022 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

If Memorandum of Payment

1) Total value of work done or supplies made as per account within	405000	92 00
2) Deduct amount to be held in reserve being.....percent Rs.....		
3) Deduct amount to be held in Balance		
4) Deduct Payment :		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....		
Amount adjusted towards cash advance recovery of		
b) Payments cost store or other materials supplied.		
Now made recovery of amount creditable to this/other work		
Amount paid on this bill Cheque/Cash		
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments		
7) Net amount due to or from contractor	19700	-00
Unadjusted items		
8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied	385300	-00

CP 4100 - 00
Cem 3700 - 00
Sem 3700 - 00
Cpr 400 - 00
Lwl 4100 - 00
Pg 3700 - 00

Contractor's Signature

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum.
Witnesses :
1.

2.

Dated.....Signature of Contractor

(For use in the Office)

Head of Account.....3075.....

Audited & admitted for Rs.405000.....

.....

Paid by me by cheque No.....Dated..... 385300-00

Cash Rs.....Dated.....by Cheque

and Rs. 19700-00 by Adjustment

Initials of Officer Making Payment

Executive Engineer

Acct. Clerk
Project Division

Acct. Supdt.
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P

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Name of Work : Providing RO Plant in Jakkur in ward no-06

ABSTRACT

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Earth work excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depyh including the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specification	Cum	41.76	509.12	21263.29	-	-	41.53	509.12	21141.21	41.53	21141.21
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing	Cum	3.36	5889.44	19781.75	-	-	3.32	5889.44	19532.09	3.32	19532.09
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	4.24	5095.71	21597.66	-	-	4.20	5095.71	21401.98	4.20	21401.98
4	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	3.18	5211.37	16565.90	-	-	3.15	5211.37	16415.82	3.15	16415.82
5	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM curing complete as per specifications.	Sqm	7.06	159.88	1129.39	-	-	7.00	159.88	1119.16	7.00	1119.16
6	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.	Cum	8.12	6854.38	55630.83	-	-	7.10	6854.38	48649.65	7.10	48649.65
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500.	Tn	0.90	73033.98	65752.35	-	-	0.90	73033.98	65793.58	0.90	65793.58
8	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	Sqm	50.81	405.93	20625.30	-	-	49.41	405.93	20057.00	49.41	20057.00

Certified / Engineer / Manager

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Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
9	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.	Sqm	66.01	1034.11	68261.60	_	_	41.32	1034.11	42729.43	41.32	42729.43
10	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing	Sqm	13.52	255.13	3448.08	_	_	9.87	255.13	2518.13	9.87	2518.13
11	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials,	Sqm	50.19	239.25	12006.76	_	_	41.32	239.25	9885.81	41.32	9885.81
12	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials,	Sqm	58.08	277.80	16133.24	_	_	45.55	277.80	12653.79	45.55	12653.79
13	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete.	Sqm	13.52	1349.33	18236.19	_	_	9.87	1349.33	13317.89	9.87	13317.89
14	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms.	Sqm	3.87	1850.51	7161.47	_	_	1.10 3.87	1850.51	7161.47 2035.56	3.87	7161.47
15	Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m.	Sqm	5.46	2956.06	16140.09	_	_	5.25	2956.06	15519.32	5.25	15519.32
16	Providing and applying two coats with oil bound washable distermper Two Coats of distemper of approved brand and shade on Ceilling & sloped roof including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	50.19	124.73	6259.58	_	_	42.27 50.19	124.73	6259.58 5272.00	50.19	6259.58
17	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	58.08	100.92	5860.93	_	_	45.55	100.92	4596.91	45.55	4596.91
18	KSRB 7.9: Providing and fixing M.S Grill work for windows and ventilators using M.S flats or M.S fsquare rods or combination of M.S flat and square rods as per approved deisgn, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materail, fixtures, labour and HOM of machinery complete as per specification.	Kgs	21.00	107.72	2262.12	_	_	21.00	107.72	2262.12	21.00	2262.12

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Sl No	Description of Work	Unit	As per Shedule -8			Previous measurement		Present Measurement			Up to date	
19	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.	Mtr	36.00	146.27	5265.72	–	–	36.00	146.27	5265.72	36.00	5265.72
20	1.Raw Water pump Qty officer-one number type Mon Block centrifugal operation flow rate -4M3hr operation pressure.4.0kg/cm2 type of drive- phase squirred cage induction motor make- CRI/TEXmo 2.Multigrated sand filter (MSF) Qty offere-one number Type -Top and bottom flow size-15"x65" operation floe rate-4M3/hr Operation pressure-4.0kg/cm2 Type of Modia-Dual-Sand and anthracite Supporting media-Gravels and Silex MOC of shell-FRP Make PARTNER/Aventura 3.Activated Carbon filter (ACF)Qty Offere -one Number Type Top and bottom flow size 16"x65" operation flow rate-4M3/hr operation pressure-3.5kg/cm2 type of Media Activated carbon flakes Type of resin-150kgs MOC of shell-FRP make -PARTNER/Aventura JODINE VALUE-500value 4.Micro Cartridge Filter Nos 5.Antiscalent Dosing UntilQty Offere -one number 6.Multistage Centrifugal pumo high pressure pump Qty Offe-one nos Type-Multistage Centrifugal Operation flow rate-4M3/hr operation pressure-10 to 15kg/cm2 material of construction -SS 316 Make pump-Cri/Kirloskar/unique Type of drive motor-three phase,squired cage indicator KWRPM-2.75/2000(Approx) Make of motor crl/kirloskar 7.R.O	Each	1.00	1102395.00	1102395.00	–	–	0.00	1102395.00	0.00	0.00	0.00
21	supplying heavy gauge pvc conduit pipe... dia confirming to IS 2509 with suitable size benda. Junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering dameged portion using havey gauge saddles at an intereval of 70mm using NF screws	mtr	28.00	68.24	1910.72	–	–	28.00	68.24	1910.72	28.00	1910.72
22	Suppling... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc..., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.	mtr	28.00	55.64	1557.92	–	–	28.00	55.64	1557.92	28.00	1557.92
23	Groove cutting in the wall suppling.. Dia 2mm/2.5mm thick heavy gauge PVC Conduit pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out conduit wherever necessary.	mtr	23.00	56.69	1303.87	–	–	23.00	56.69	1303.87	23.00	1303.87
24	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved	Each	3.00	116.54	349.62	–	–	3.00	116.54	349.62	3.00	349.62
25	supplying and fixing PVC/ Metal conduit accessories.	Each	1.00	62.99	62.99	–	–	1.00	62.99	62.99	1.00	62.99
26	Suppling and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complet.	mtr	10.00	107.09	1070.90	–	–	10.00	107.09	1070.90	10.00	1070.90
27	Suppling and wiring adopting loop system in existing PVC Conduit/ casting capping using copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box. The outher end of the wires shall be terminated with sufficient loose lenght in a wood / PVC round block. compelete for each outlet.	Each	12.00	288.72	3464.64	–	–	12.00	288.72	3464.64	12.00	3464.64

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Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
28	Suppling and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos, of machines screws, bolts nuts etc., complete on the existing metal/PVC box.	No	5.00	183.73	918.65	–	–	5.00	183.73	918.65	5.00	918.65
29	Supplying and fixing of 32 Amps security and energy saving DP switch with key tag suitable to operate on 230 volts, 50Hz AC supply and completely wired on existing	Each	2.00	713.93	1427.86	–	–	2.00	713.93	1427.86	2.00	1427.86
30	Wiring for lighting/power circuit using one of pvc insulated 1100v grade, multistrand copper conductor singal core cable in open or concealed system of	mtr	258.00	21.52	5552.16	–	–	258.00	21.52	5552.16	258.00	5552.16
31	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm... Etc as required.	Each	15.00	23.10	346.50	–	–	15.00	23.10	346.50	15.00	346.50
32	Supplying PVC/GI Flexible conduit pipe.. Mm dia fixing on surface over inverted wooden pugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pie terminated	Each	16.00	23.10	369.60	–	–	16.00	23.10	369.60	16.00	369.60
33	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws.	Each	16.00	11.55	184.80	–	–	16.00	11.55	184.80	16.00	184.80
34	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes.	Rmt	25.00	266.46	6661.50	–	–	25.00	266.46	6661.50	25.00	6661.50
	Total				1510958.99			355285.00		361399.31		361399.3
	Except item no. 20, GST 12%				49027.68			42634.00		43367.92		43367.92
	Bescom Deposit Charges				14000.00					7188.00		7188.00
	Grand Total				1573986.66					411955.23		411955.23
								405107.00				

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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